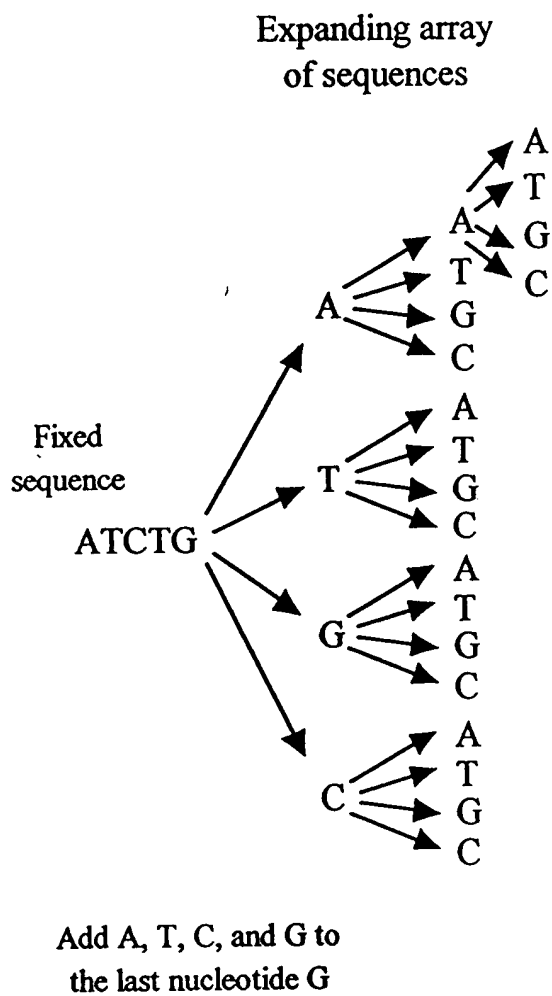


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA
Applicant: Perinannan Semapathy
Serial No: 09/431,451
Atty. Docket No.: 34623.005



Some possible
sequences linked to the
constant sequence

ATCTGAAA
ATCTGAAT
ATCTGAAG
ATCTGAAC
ATCTGATA
ATCTGATT
ATCTGATG
ATCTGATC
.....
ATCTGTAA
ATCTGTAT
ATCTGTAG
ATCTGTAC
.....
ATCTGCCA
ATCTGCCT
ATCTGCCG
ATCTGCCC

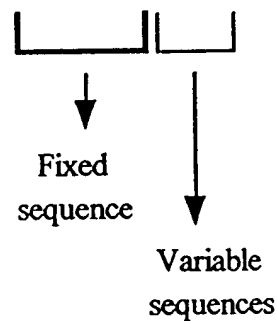


FIG. 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA
 Applicant: Perinannan Senapathy
 Serial No: 09/431,451
 Atty. Docket No.: 34623.005

5' splice junction: $\begin{matrix} & A \\ & | \\ AGGT & GGT \\ & | \\ & G \end{matrix}$

3' splice junction: $\begin{matrix} TT & & TT & TT & TT \\ & TT & & & \\ CC & & C & C & C & C & C \end{matrix} \quad XAGGT$

Promoter region: TATAA

Poly A: ATAATA

Alu repeats: Repeats of about 250 bases

Homeobox: A sequence of about 180 bases
 coding for ~ 60 amino acids

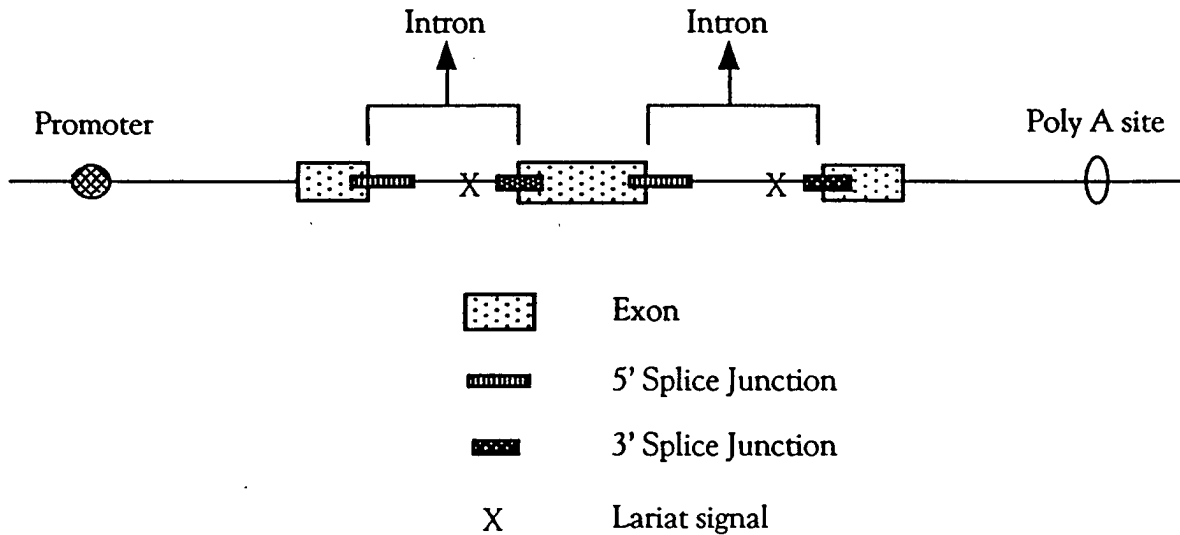
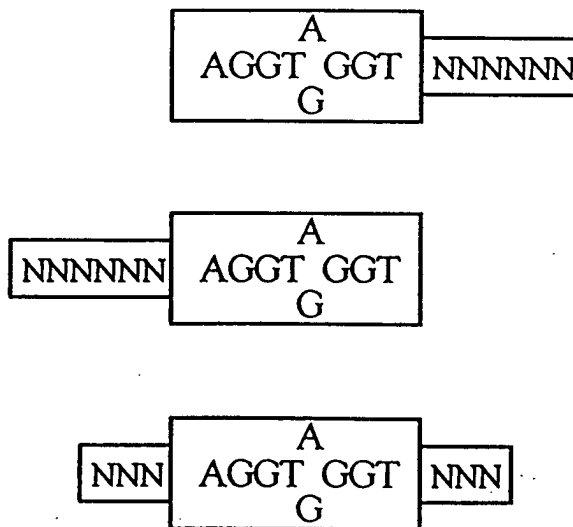


FIG. 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DEFTSMAN		

Unknown DNA
Applicant: Perlaanan Semapathy
Serial No: 09/431,451
Atty. Docket No.: 34623.005

5' Splice Consensus Primer



Promoter Consensus Sequence:

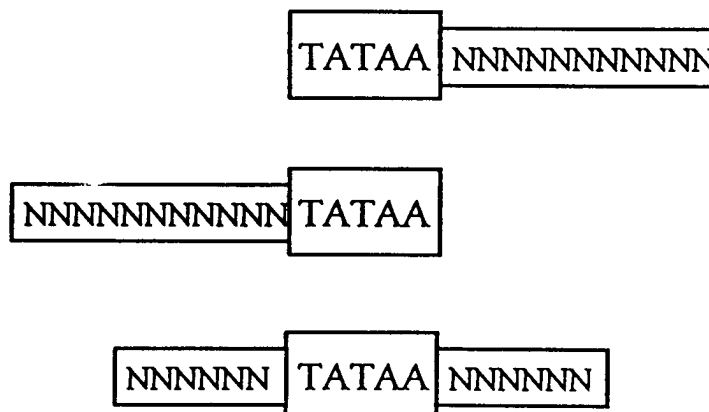


FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA
Applicant: Perianan Somapathy
Serial No: 09/431,451
Atty. Docket No.: 34623.005

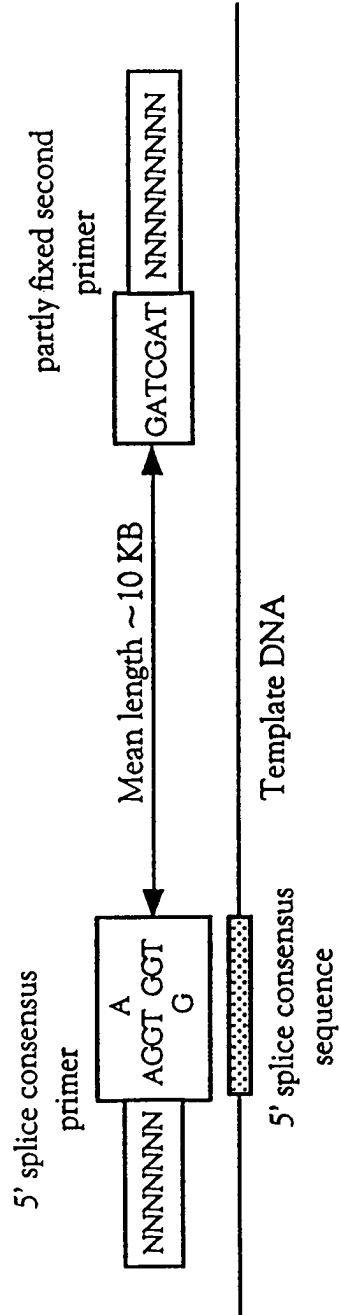


FIG. 4A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA
Applicant: Perinannan Senapathy
Serial No: 09/431,451
Atty. Docket No.: 34623.005

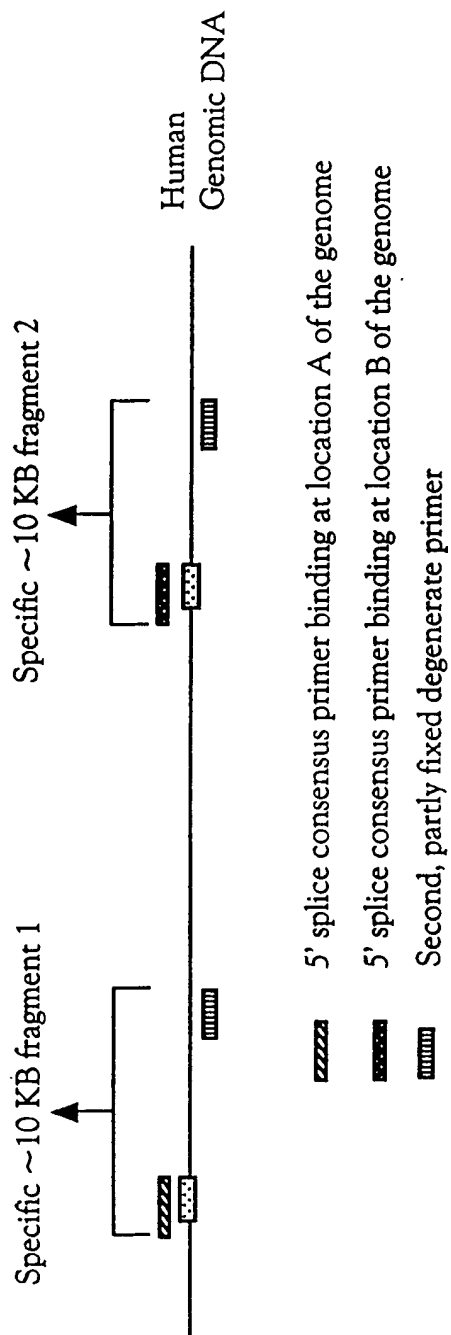


FIG. 4B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA
Applicant: Perianan Senapathy
Serial No: 09/431,451
Atty. Docket No.: 34623.005

PCR amplify between 3' and 5'
splice consensus primers

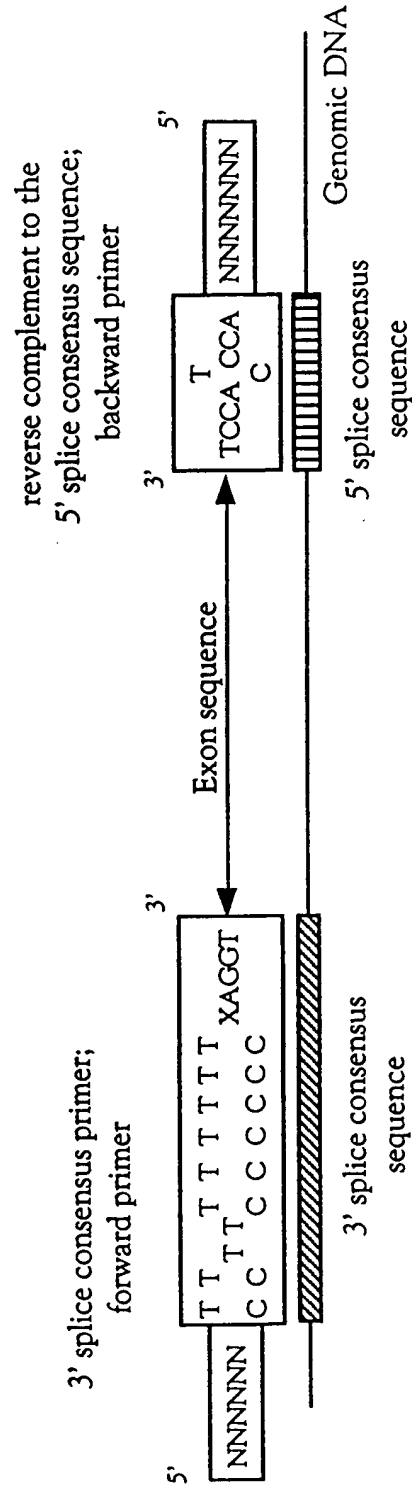


FIG. 5A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Unknown DNA
Applicant: Periannan Senapathy
Serial No: 69/431,451
Atty. Docket No.: 34623.005

Change 3 Ns to individual triplets in a PCR reaction:
Total number of triplets/PCR reactions = 64

reverse complement to the
5' splice consensus sequence
backward primer

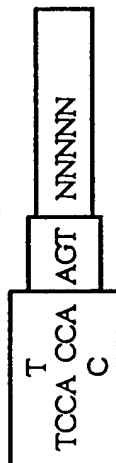


FIG. 5B

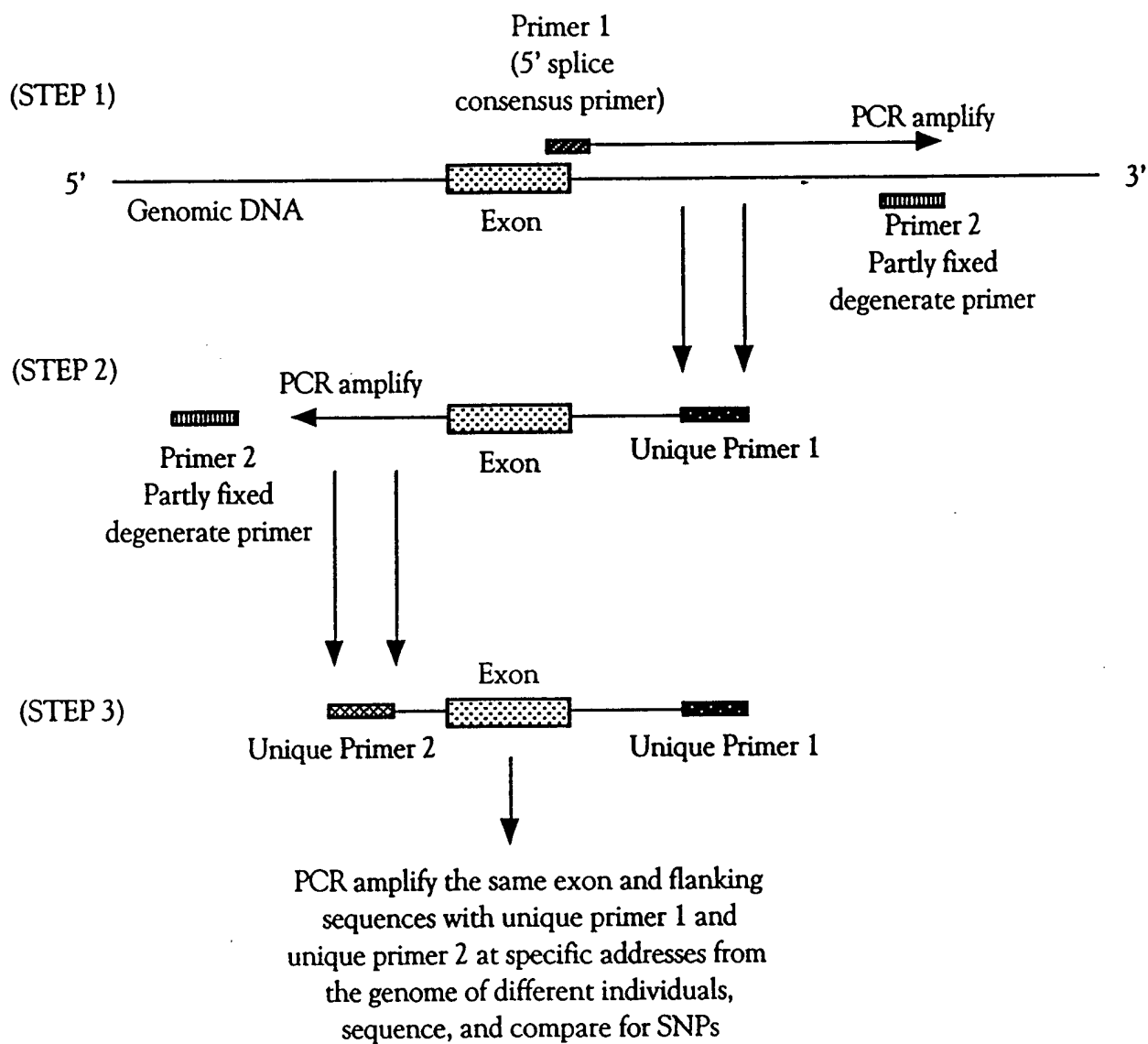


FIG. 6

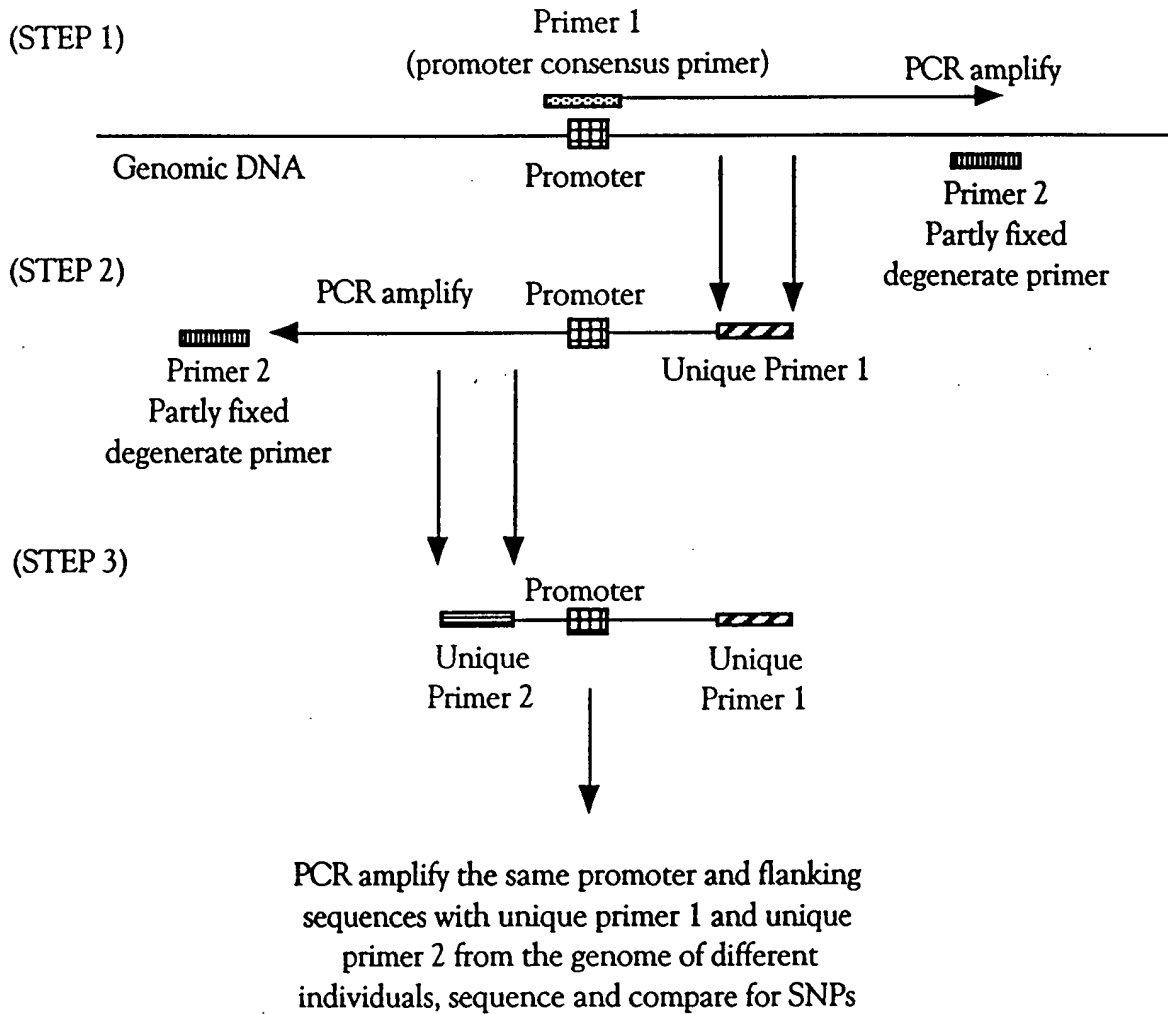


FIG. 7